

Thermostatic Cage Units for Radiator Traps



Barnes & Jones Thermostatic Cage Units

Manufactured by Barnes & Jones for Steamco Industries, these Thermostatic Cage Units replace the old, expensive thermostatic elements found in all the different brand names of America's steam heating radiator traps.

Buildings heated with steam waste as much as 30% of their annual heating energy costs due to the failed thermostat inside steam traps.

Here's how steam traps with failed thermostats waste so much money . . .

- When traps fail, they normally fail in the open position: The thermostatic element is retracted from the seat in the open position. Steam that should be giving up its heat in the radiator, and thereby heating the room, is being wasted. With the steam trap failed "open" the steam immediately blasts through the radiator and heads back for the boiler.

- Steam is meant to stay in the radiator, convector, unit heater, etc. until it turns back into water — There's a lot more "heat" in one pound of steam than there is one pound of hot water. If the steam can't stay at its point-of-use it can't efficiently heat the surrounding area: Steam now races through your return lines causing banging and equipment damaging water hammer, rooms become both over and under heated and energy is lost.

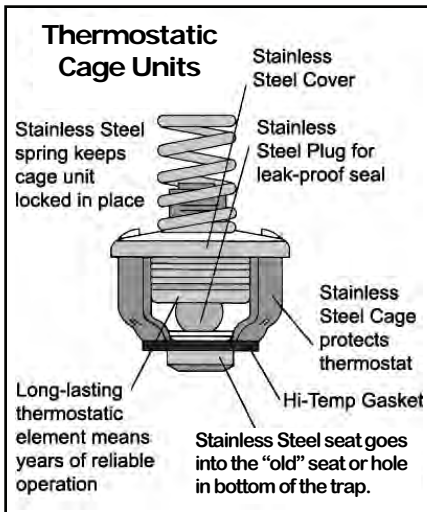
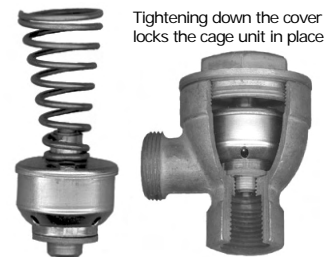
Thermostatic Cage Units Save you Thousands of Dollars!

Get those radiator traps fixed. If you can't remember the last time those steam traps on your radiators were repaired — You're in trouble!

- Find your radiator traps. Record the brand name, model number and pipe size of each steam trap. Also, record the room name where the steam traps are located.
- Look through this catalog section for the brand name and model number of your original radiator trap. Order the corresponding Thermostatic Cage Unit and, if *noted within the ordering guidelines, a new steam trap cover.
- Once your order arrives, grab that sheet of paper where you recorded steam trap information and go to work: With the boiler off and your system cooled down — open the radiator trap cover, take out the old thermostatic element, drop-in the new Thermostatic Cage Unit, screw-on the steam trap cover — You're done.

Thermostatic Cage Units are made to repair all brands and models of steam traps. They're especially great for repairing those old, "discontinued" radiator traps like Trane, Warren-Webster and more! Used by building professionals throughout North America.

* Only 10% of Thermostatic Cage Unit installations require a new steam trap cover. In the vast majority of cases you will simply re-use your old steam trap covers.



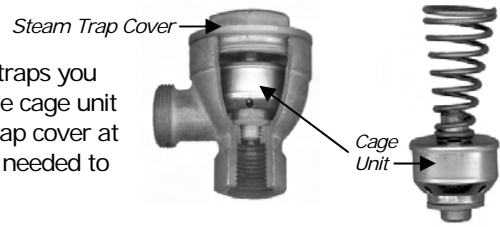
Thermostatic Cage Units make Radiator Traps just like New!

- The stainless steel positive tension spring, in conjunction with the tightening-down of the radiator trap's cover, locks the Thermostatic Cage Unit in place: The Stainless Steel seat (at the bottom of the cage unit) slides into the seat orifice at the bottom of your existing radiator trap.
- The Stainless Steel Cage surrounds the pressure balanced thermostatic element and protects it from premature failure. The new high-temperature gasket surrounding the Stainless Steel Seat ensures a long-lasting, leak-proof seal.
- The pressure balanced thermostatic element within the cage unit is open (raised above the seat of the cage unit) when there is no steam present. When steam enters the steam trap the thermostatic element closes tight against the seat of the trap — Thereby preventing the steam from going beyond its point-of-use.
- The thermostat retracts from the cage unit's seat and opens once it no longer senses steam. This allows the condensed steam (hot water) to enter the return piping and flow back to the boiler, where it is once again turned back into steam.

Cage Units for Radiator Traps

CAGE UNIT ORDERING INSTRUCTIONS:

■ Determine the brand name, model number and pipe size of the steam traps you need to repair. Go to the appropriate brand name table and determine the cage unit needed to repair the steam trap. ■ Some cage units need a new steam trap cover at the first installation of a cage unit. A new steam trap cover is sometimes needed to allow the cage unit to properly fit into some models of steam traps.



Barnes & Jones traps and related Cage Units

Barnes & Jones Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed for new cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
122A	1/2"	1721	BD1020	No	Re-use the current trap cover	<i>Use Old Cover</i>	Leave in
134A	3/4"	1929	BD1055	No		<i>Use Old Cover</i>	Leave in
147A	1"	4326	BD1935	No		<i>Use Old Cover</i>	Leave in
122S	1/2"	1721	BD1020	No		<i>Use Old Cover</i>	Leave in
134S	3/4"	1929	BD1055	No		<i>Use Old Cover</i>	Leave in
122V	1/2"	2132	BD1265	No		<i>Use Old Cover</i>	Leave in
134V	3/4"	4105	BD1745	No		<i>Use Old Cover</i>	Leave in

Dunham-Bush (Mepco) traps and related Cage Units

Dunham-Bush (Mepco) Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed for new cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
1A through 1E	1/2"	1950	BD1070	Yes	1950C	BD1075	Leave in
2E	3/4"	1990	BD1170	Yes	1990C	BD1175	Leave in
3C	1"	2163	BD1290	Yes	2163C	BD1295	Leave in

Hoffman Specialty traps and related Cage Units

Hoffman Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed for new cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
8	1/2"	2168	BD1315	No	--	<i>Use Old Cover</i>	Leave in
8C	3/4"	3507	BD1635	No	--	<i>Use Old Cover</i>	Take out
9	3/4"	2167	BD1310	No	--	<i>Use Old Cover</i>	Leave in
9A, 9C & 9D	3/4"	2835	BD1372	No	--	<i>Use Old Cover</i>	Take out
17A	1/2"	3066	BD1470	YES	3066C	BD1475	Leave in
17C	1/2"	3500	BD1620	No	--	<i>Use Old Cover</i>	Take out

Illinois traps and related Cage Units

Illinois Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed for new cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
1G	1/2"	2818	BD1360	YES	2818C	BD1365	Take out
2G	1/2"	2175	BD1320	No	--	<i>Use Old Cover</i>	Take out
3G	3/4"	2947	BD1430	No	--	<i>Use Old Cover</i>	Take out
4G	3/4"	2165	BD1525	No	--	<i>Use Old Cover</i>	Take out
5G	1"	4175	BD1815	No	--	<i>Use Old Cover</i>	Take out
5MG	1"	4175	BD1815	No	--	<i>Use Old Cover</i>	Take out

Cage Units for Radiator Traps

Marsh traps and related Cage Units							
Marsh Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed for new cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
1N	1/2"	4416	BD1995	No	--	<i>Use Old Cover</i>	Take out
1	1/2"	1927	BD1045	YES	1927C	BD1050	Take out
2	1/2"	1971	BD1110	YES	1971C	BD1115	Take out
2	3/4"	2086	BD1250	YES	2086C	BD1255	Take out
2-7	1/2"	2086	BD1250	YES	2086C	BD1255	Take out
2-7	3/4"	2086	BD1250	YES	2086C	BD1255	Take out
2-4	3/4"	3053	BD1460	YES	3053C	BD1465	Take out

Monash traps and related Cage Units							
Monash Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed to fit cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
30	1/2"	4294	BD1870	No	—	<i>Use Old Cover</i>	Take out
34	1/2"	2080	BD1240	YES	2080C	BD1245	Leave in
35	1/2"	2080	BD1240	YES	2080C	BD1245	Leave in
35B	1/2"	2080	BD1240	YES	2080C	BD1245	Leave in

Spirax-Sarco traps and related Cage Units							
Spirax-Sarco Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed to fit cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
E	1/2"	4114	BD1755	No	—	<i>Use Old Cover</i>	Leave in
E	3/4"	4115	BD1760	No	—	<i>Use Old Cover</i>	Leave in
E	1"	3072	BD1485	No	—	<i>Use Old Cover</i>	Take out
H	1/2"	4117	BD1770	No	—	<i>Use Old Cover</i>	Leave in
H	3/4"	4116	BD1765	No	—	<i>Use Old Cover</i>	Leave in
H	1"	3071	BD1480	No	—	<i>Use Old Cover</i>	Take out
TS25 & TB25	1/2"	5000	BD2000	YES	5000C	BD2005	Take out
TS25 & TB25	3/4"	5000	BD2000	YES	5000C	BD2005	Take out
RTA-, TA-125	1/2"	5007	BD2007	YES	5007C	BD2008	Leave in
RTA-, TA-125	3/4"	5007	BD2007	YES	5007C	BD2008	Leave in
RTA-, TA-125	1"	5007	BD2007	YES	5007C	BD2008	Leave in

Sterling traps and related Cage Units							
Sterling Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed to fit cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
7-50	1/2"	3472	BD1595	No	3472C	BD1597	Leave in
7-70	1/2"	3472	BD1595	No	3472C	BD1597	Leave in
7-53	3/4"	3472	BD1595	No	3472C	BD1597	Leave in
7-73	3/4"	3472	BD1595	No	3472C	BD1597	Leave in

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Trane traps and related Cage Units							
Trane Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed to fit cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
B1	1/2"	4320	BD1895	YES	4320C	BD1900	Leave in
B2	1/2"	4321	BD1905	YES	4321C	BD1910	Leave in
B3	3/4"	4322	BD1915	YES	4322C	BD1920	Leave in
B4	1"	4323	BD1925	YES	4323C	BD1930	Leave in
B5	1-1/4"	3442	BD1585	No	—		Leave in

Warren-Webster traps and related Cage Units							
Webster Radiator Trap Model No.	Trap Pipe Size	Cage Unit No.	Cage Unit ORDER NUMBER	New Cover needed to fit cage unit?	Cover No.	New Cover ORDER NUMBER	Take "old" seat out of trap or leave in?
02H	1/2"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out
502H	1/2"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out
502	1/2"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out
512	1/2"	1998	BD1190	No	--	<i>Use Old Cover</i>	Take out
513	3/4"	1998	BD1190	No	--	<i>Use Old Cover</i>	Take out
513A	3/4"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out
522	1/2"	1985	BD1160	No	--	<i>Use Old Cover</i>	Take out
523	3/4"	1985	BD1160	No	--	<i>Use Old Cover</i>	Take out
524	1"	1985	BD1160	No	--	<i>Use Old Cover</i>	Take out
524AH	1"	4344	BD1960	No	--	<i>Use Old Cover</i>	Take out
533	3/4"	1982	BD1150	No	--	<i>Use Old Cover</i>	Take out
534	1"	1982	BD1150	No	--	<i>Use Old Cover</i>	Take out
702H	1/2"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out
702	1/2"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out
702V	1/2"	4157	BD1775	YES	4157C	BD1780	Leave in
702V-1	1/2"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out
712	1/2"	1764	BD1025	No	--	<i>Use Old Cover</i>	Take out
713HB	3/4"	3155	BD1515	No	--	<i>Use Old Cover</i>	Take out
713A	3/4"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out
722	1/2"	1997	BD1185	No	--	<i>Use Old Cover</i>	Take out
723A	3/4"	1764	BD1025	No	--	<i>Use Old Cover</i>	Take out
723HB	3/4"	3150	BD1510	No	--	<i>Use Old Cover</i>	Take out
724AH	1"	1764	BD1025	No	--	<i>Use Old Cover</i>	Take out
724HB	1"	4122	BD1772	No	--	<i>Use Old Cover</i>	Take out
733	3/4"	1991	BD1180	No	--	<i>Use Old Cover</i>	Take out
902	1/2"	4172	BD1805	YES	4172C	BD1810	Take out
913H	3/4"	1972	BD1120	No	--	<i>Use Old Cover</i>	Take out

Radiator Trap Cover Gaskets

Most covers do not use cover gaskets.

Cover Number	Cover Gasket ORDER NUMBER	Cover or Model Number	Cover Gasket ORDER NUMBER
122	BD2010	2959	BD2035
1950	BD2020	4320	BD2040
1990	BD2030	for 41T	BD2041
1927	BD2015	for 44T	BD2045
1972	BD2025	for 457T	BD2050

